WBLE-SL ▶ UECM346	3-202502-EZZ ► Quizzes ► 202502UECM34630E1b ► Review of preview	Update this Quiz					
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202502UECM34630E1b							
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	Friday, 7 March 2025, 10:33 AM						
Completed on Time taken	Friday, 7 March 2025, 10:33 AM						
	0 out of a maximum of 10 (0%)						
1 🕏	You are given:						
Marks: 1	 The coverage limit is 12,900. The expected value of the loss before considering the coverage limit is 9,780. The probability of a claim for 12,900 or more is 0.16. The mean excess loss at 12,900 is 21,320. 						
	Determine the average claim paid less than 12,900						
	Answer:						
	Mala command on consider and						
	Make comment or override grade Incorrect						
	Correct answer: 5124.761905						
	Marks for this submission: 0/1.						
2 👺 Marks: 1	You are given the following information:						
	 The amount of an individual claim has an exponential distribution with mean λ The parameter λ has a probability density function given by: 						
	$\pi(\lambda) = K \ \lambda^{-3} \ e^{-20/\lambda}, \ \lambda > 0$ where K is a constant.						
	Determine the expected claim size greater than 20						
	Determine the expected claim size greater than 20						
	Answer:						
	Make comment or override grade						
	Incorrect						
	Correct answer: 60 Marks for this submission: 0/1.						
	THE TOTAL OF STATE OF						
3 ፟፟፟፟፟	The probability density function of loss amounts is given by						
Marks: 1	$f(x) = 6(350-x)^5/350^6, 0 < x \le 350$						
	An insurance coverage for these losses has an ordinary deductible of 100 Calculate the mean excees loss at 100						
	Anguari						
	Answer:						
	Make comment or override grade						

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Incorrect Correct answer: 35.714286

Marks for this submission: 0/1.

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4 👺	Let X be a discrete random variable v	with probability generating function	
Marks: 1		$P_{X}(z) = 0.28z^{190} + 0.27z^{570} + 0.25z^{950} + 0.12z^{1330} + 0.08z^{1710}$	
	Calculate LER(1,050).		
	Answer:		٦ ٧
			^
	Make comment or override grade		
	Incorrect		
	Correct answer: 0.883401 Marks for this submission	0.0/1	
	Marks for this submission	1. 0/1.	
5 🕏	An individual losses has the Pareto d	istribution with parameters $a = 3$ and $\theta = 250$ with deductible of 57.2, coinsurance of 79% and a loss limit of 114.40 (b	efore application of the deductible and coinsurance) are applied to each individual
Marks: 1	loss. Loss sizes are affected by 10%	inflation. Determine the variance of the loss payment on the per payment basic	
	Answer:		7 y
			^
	Make comment or override grade		
	Incorrect		
	Correct answer: 209.81	0/1	
	Marks for this submission	1: 0/1.	
6 🕏	In a major college football program,	the revenue from ticket sales for a home game is being modeled as a Pareto distribution with $\alpha = 5$ and $\theta = 1,400,000$.	For each home game, the coach receives a bonus only if revenue exceeds 560,000.
Marks: 1	The amount of bonus is 7% of the re	evenue in excess of 560,000. If there are 9 home games in each football season, calculate the expected bonus the football	all coach receives each football season
	Answer:		٧ -
			^
	Make comment or override grade		
	Incorrect		
	Correct answer: 57397.959184	0/1	
	Marks for this submission	1: 0/1.	
7 🕏	Annual losses follow a Pareto distribu	ution with α = 2.90 and θ = 1,370. Calculate VaR _{0.937} .	
Marks: 1			
	Answer:		¬
	Allswei .		_ X
	Make comment or override grade		
	Incorrect		
	Correct answer: 2184.193492		
	Marks for this submission	n: 0/1.	
8 🕏	Annual losses follow a Pareto distribu	ution with parameters $\alpha = 3$ and $\theta = 900$. TVaR _p = 2,558, Determine p	
Marks: 1			
			_
	Answer:		X
	Make comment or override grade		
	Incorrect Correct answer: 0.940499		
	Marks for this submission	n: 0/1.	
	3	•	
		1 1 4 4 4 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
9 👺	rne losses experienced by an insurar	nce company have the following probability distribution: Loss size Probability	
Marks: 1		0 0.60	

Calculate the CTE _{0.69}			180 0.25 280 0.10 1,360 0.05			
Answer:				X		
Make comment or override grade						
Incorrect Correct answer: 402.580645 Marks for this submissio	on: 0/1.					
10 Annual los Marks: 1	sses follow a Gamma distribu	tion with parameters $\alpha=4$ and $\theta=1000.$ Va	$aR_{0.9} = 6680.78$, Determine TVa $R_{0.9}$	_		
Answer:	[_ x	
Make com	nment or override grade					
	nswer: 8168 for this submission:	0/1.				

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